## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

## (19) World Intellectual Property Organization International Bureau





(43) International Publication Date 28 July 2005 (28.07.2005)

PCT

## (10) International Publication Number WO 2005/068797 A1

(51) International Patent Classification<sup>7</sup>:

F01N 3/20

(21) International Application Number:

PCT/SE2004/001984

(22) International Filing Date:

22 December 2004 (22.12.2004)

(25) Filing Language:

Swedish

(26) Publication Language:

English

(30) Priority Data:

0400104-6

20 January 2004 (20.01.2004) Si

- (71) Applicant (for all designated States except US): SCANIA CV AB (publ) [SE/SE]; S-151 87 Södertälje (SE).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): WESTERBERG, Björn [SE/SE]; Myntstigen 15, 5 tr, S-151 48 Södertälje (SE).
- (74) Agent: EGRELIUS, Fredrik; SCANIA CV AB, Patents, S-151 87 Södertälje (SE).

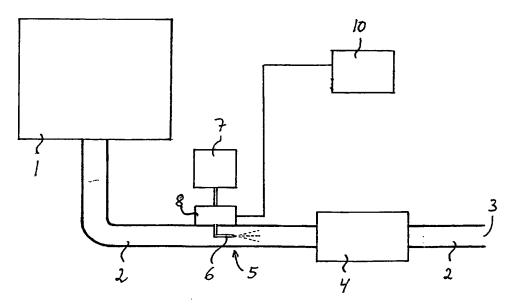
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated. for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

## Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: METHOD AND DEVICE FOR CONTROLLING THE INJECTION OF REDUCING AGENT



(57) Abstract: The invention relates to a method and device (10) for controlling the injection of reducing agent upstream from a catalyst (4) in an exhaust line (2) from a combustion engine. According to the invention, the injection of reducing agent in the exhaust line is controlled on the basis of result of comparison between a calculated accumulation actual value (A1) and a calculated accumulation setpoint value (A2). The invention also relates to a computer program comprising program code for implementing said method, a computer program product comprising a medium which is readable by an electronic control unit and has stored on it a computer program intended to cause an electronic control unit to implement said method, and an electronic control unit.

